

Fig. 1

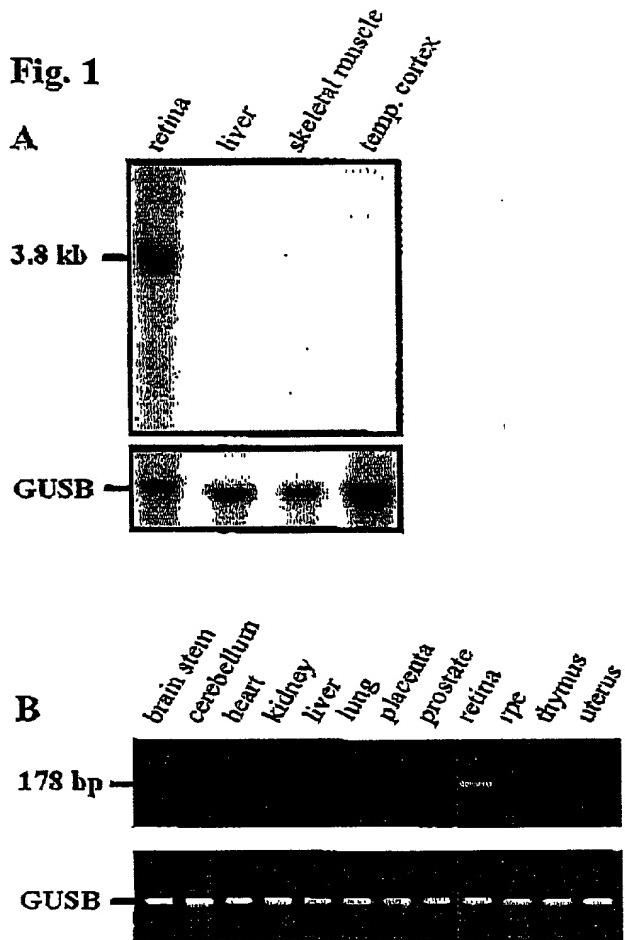
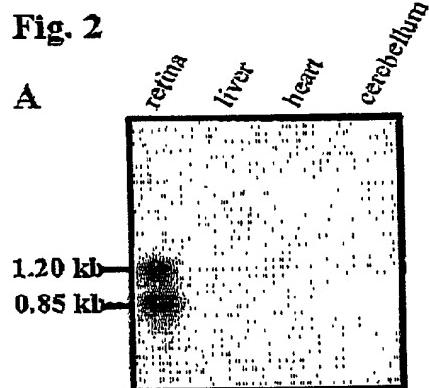


Fig. 2

A



B

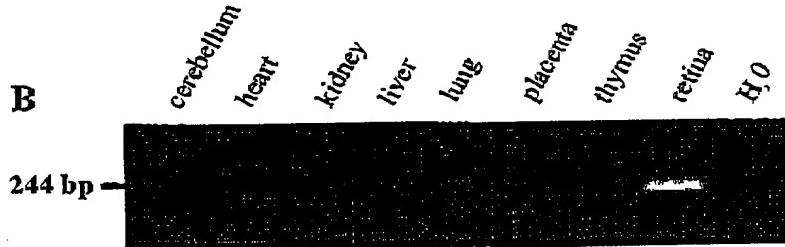
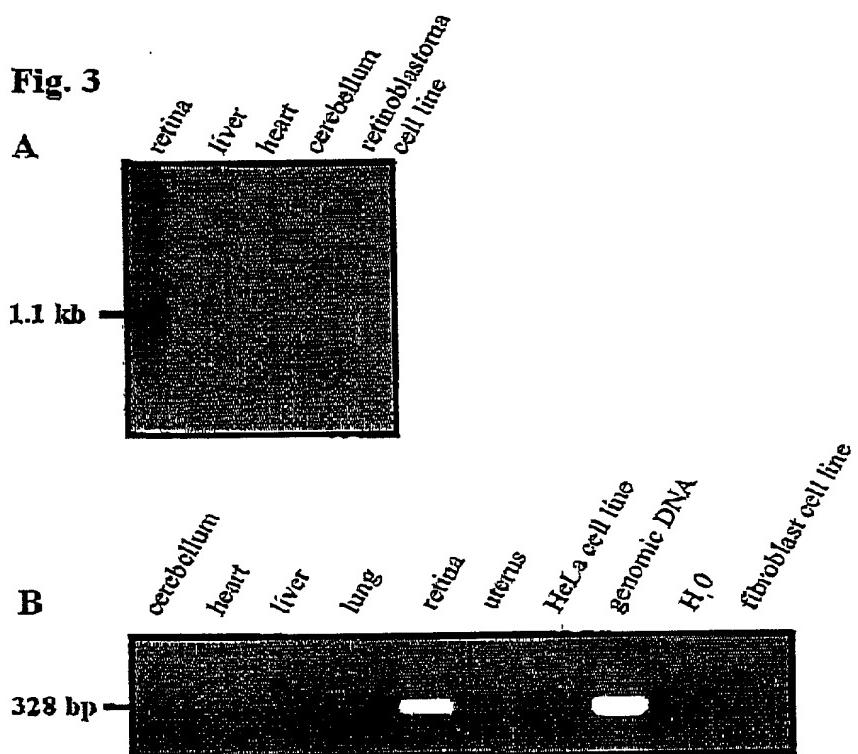


Fig. 3

A



B

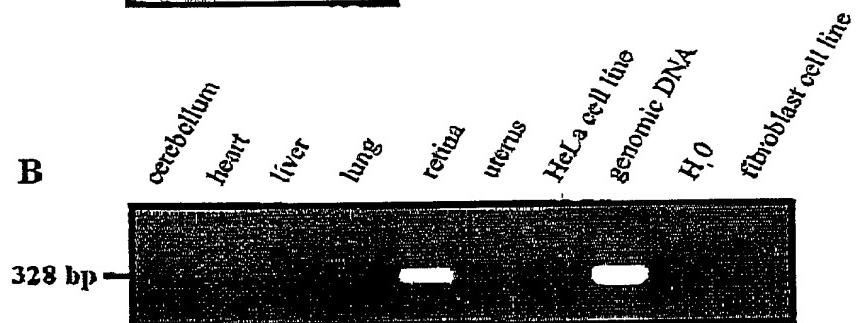


Fig. 4

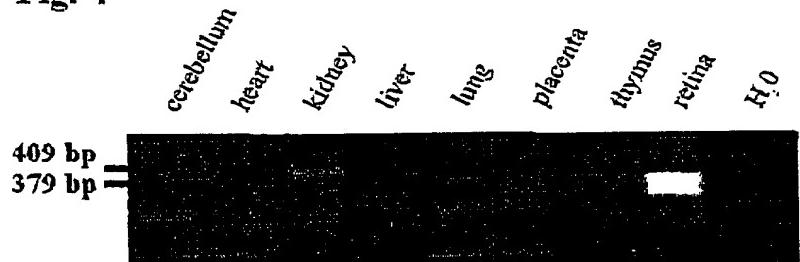


Figure 5**Seq. ID No. 1**

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Figure 6c

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Figure 6e**Seq. ID No. 20**

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Figure 7**Seq. ID No. 24**

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Seq. ID No. 25

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Figure 8

Seq. ID No. 26

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AGCGAACGACCACACGGAAAGAGTAGCTACATACACTTCATCAGCTATGGATCATCA
ACGGCAATTTCCTTGTCAAGTACAGCTATAATAGTATCTTGAAAGTTGTAAAAAA
AATTAAAGCATATTGTTACGTAAGTTAAATGATTTGTCTGAATAAAAAAA
AAGCATTGCAAATGCTTAGAAATCTCTGATAATGGAGAGAGACAGAGGACCC
TCCTCACTACCCTATATAAAATCATTGGCACAGTTACACTTAATAAAAAAAATT
AAACAGAAGAGCACCCCTGAAAAACATTATGATGGAAATTAAATAGTATGCCAGAA
TAAACATGGTTGACAAATAAGTGAACAAAGGATTAAAATCACTTACAAACGTGTT
CTGTACACCCCTTCTATCGTGTCAAATGTTAATGAATCTGTGATCAATTGAAATG
TAAATGTCTGTGAAACTACAAAATAAAACCTTAGACTTTAGGGAGAAAAGA
AAAaggcaactatgagttacctcttttagtgttatccatcacatccagaa

Figure 9**Seq. ID No. 29**

MEIISSKLFILLTLATSSLTSNIFCADELVISNLHSKENYDKYSEPRGYPKGER
 SLNFEELKDWPKNVIKMSTPAVNKMPHSFANLPLRFGRNVQEERSAGATANLPL
 RSGRNMEVSLVRRVPNLPQRFGRTTAKSVCRMLSDLQGSMHSPCANDLFYSMT
 CQHQEIQNPDQKQSRLLFKKIDDAELKQEK

Seq. ID No. 30

ACACACAACGGGGTTTCGGGGCTGGGACCCGTGCCAGGAAAGGAAGGGCGCAGCTCCTGCAATG
 CGGAGCAGCCAGGGCAGTGGCACCCAGGCTTAGCCTCCCTTCTCACCCCTACAGAGGGCAGGCC
 TTCAGCTCCATTCTCCTCCAAGGCTGCAGAGGGGCAGGAATTGGGGTGACAGGAGAGCTGTAAG
 GTCTCCAGTGGGTCTTCAGGGCCAGAGATGGGTGCTGAAGCTCCCACGCCTGCCTGTGAAAATG
 GAGTCCTCTCACCTGGGAGAGCCAGGTGCTGCCCGAGAAGGATGCATTATGGCTCRTGAAG
 TCTTCCTGACCCCGATGCTGACTATAGAGACAAAGTCTCACTATGTTGCTCAGGCTGGTCT
 TGAACCTCTGGCCTCAAGCGATCCTCCCACCTYAGCCTCCCAAAGWGTGGGATTATAGACATGAG
 CCACTGCACCTGGCGACCTGGGCAAGTTCTAAACCCTCAAAGCCTCATTCTCCAATCAY
 AAAAGGGAAAGATGGTAATATTTCCCCWCAAATTCTGCGATGCCCTCACAGAATTGAGATT
 ATGTACGTAAAACACCAGGTGCTAACCGGCACAGAGCAGGAGGGCTAACCGTGACATCCAGCAC
 GTGGTCAGTGGAAATCCAGTATTCTACCCACCTCTAGTCTCCCCTCCACCCCTCTCCCTTCAG
 AGGCACCAAGCTGTTGGTCTTGTCTATTCCCACTCCCTGCCTGACTGAACATTCTCACCT
 CCTGATCATCAGCAGCAGAAACTGGCTGCTCTCCCTCTGGTAGACAGCCAGACTGTATTCCCA
 GCTGCCCTGCAGTGAGATGTGGCCATGGAGCCAGCATTGGCCAATGGACTCTGCATGGAGTGA
 CGCATGCWGCTCCAGGCTTGTCCCTAAACCTCCACGTGTCCTSGCCTGCTCTCCCACYTCC
 AAGGAGCACGGAATTGTGGAAGACCCAGATTAGTGATGGCAGAACCATAGATGGAGGAACCTGG
 GTCCCTGACTTAAAGTATCATGGATTGGATGTTCCCTAGTGAGAAATAACTCCATTGTGTT
 AAGCCTTATTGTTATAGTTGGTACAGCAACTGCCTCTTTAATTAAAACACTCCTGCTGCT

Seq. ID No. 31

MLLTIETKSHYVAQAGLELLASSDPPTSASQSVGIIDMSHTWPTLGKFLNPSKPHFSPIKGKDGNIFPTKFLSDALTELRLCT

Figure 10**Seq. ID No. 32**

tatatggaaatgagccagctgcaccgctgctgacagtggctggataatcctccctgagctgtcc
 aaggattagtctgctgcctgtgccagctcccACACAACGGGGTTTCGGGGCTGTGGACCCCTGT
 GCCAGGAAAGGAAGGGCGCAGCTCCTGCAATGCCAGGCAGGGCAGTGGGCACCAGGCTTAG
 CCTCCCTTCTCACCCCTACAGAGGGCAGGCCCTCAGCTCATTCTCCCTCAAGGCTGCAGAGGG
 GCAGGAATTGGGGGTGACAGGAGAGCTGAAGGTCTCCAGTGGTCATTCTGGGCCAGAGATGGG
 TGCTGAAGCTCCCACGCCCTGCTGAAAATGGAGTCCTCTCACCTGGAGAGGCCAGGTGCTGC
 CCCGAGAAGGATGCATTATGGCTCATGAAGTCTTCCTGACCCCCGATGCTGCTGACTATAAGt
 aagtctgagcaaatctggggagcctcatcttggcatgagaaaagagatggcttcttaagccac
 tggccgtatcccaggattataacacattctg

Seq. ID No. 33

catgagaggttagtataatagaggatatgtgtctactaagaggctgcgtgacacctggac
 aagttcttttatttatttattttatAGACAAAGTCTCACTATGGCTCAGGCTGGT
 CTTGAACCTCTGGCCTCAAGCGATCCCTCCACCTTAGCCTCCAAAGAGTTGGGATTATAGACATG
 AGCCACTGCACCTGGCCGACCTGGCAAGTTCTAAACCCCTCAAAGCCTCATTCTCCAATC
 ATAAAAGGGAAAGATGGTAATATTTCCCCTCAAATTCTGtaagtattaaacattgtatatgta
 ttttgaacacgattaagctctaaacacttgttaggaaggtagcattgaaacaacagctc
 tttccac

Seq. ID No. 34

aagtattaaacattgtatatgtatttgaacacgattaagctctaaacacttgttaggaaggcagga
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 CGTAAAACACCAGGTGCCAACCGGCACAGAGCAGGAGGGCTAAGCGTGACATCCAGCACGTGGT
 CAGTGGAAATCCAGTATTCTACCCACCTCTAGTCTCCCTCCACCCCTCTCCCTCAGAGGCA
 CCAAGCTGCTTGTGGCTTGTCTATTCCACTCCCTGCCTGACTGAACATTCTCCACCTCTGA
 TCATCAGCAGCAGAAACTGGCTGCTTCCCTGGTAGACAGCCAGACTGTATTCCAGCTGC
 CCCTGCAGTGAGATGTGGCCATGGAGCCAGCATTGCCAATGGACTCTGCATGGAGTGACGCAT
 GCTGCCTCCAGGCTTGTCCCTAAACCTCCCACGTGTCCCTCCGCTGCTTCCACTTCCAAGGA
 GCACGGCAATTGTGGAAGACCCAGATTAGTGATGGCAGAACCATAGATGGAGGAACCTGGGTCCC
 TGACTTAAAGTATCATGGATTGGATGTTCCCTAGTGAGAAATAACTCCATTGTGTTAAGCC
 TTTATTTGTTATAGTTGTTACAGCAACTGCCTTCTTTAATTAAAACACTCCTGCTGCTcatg
 ttgctggaatgctgttaaccctgcctgcctcaccaggtaactcctacttgccttaagttat
 ctctgctgtcacaccgtccagaaagcctt

Figure 11**Seq. ID No. 35**

GAAAGTCCAGCCATCTGTACCTGCGTTGCTTCTGGGRGGGATAGTCCACCTGGAGGCATTGG
 AGACCCAGTGATGTGCTCCGYGGAGCCTGGGCTGTGCCCCCGTTGACTGCCTCATAGATACCCT
 ACGAACCCCAAATGCCAGCTGCATGAGAAAAGGGACTCACCTCTGGCTTGAGGCACTGCCCTGG
 AGAGCTGGCATTGCACAGGAGACGGCTGGACATGTCAGGCACTGCCCTGCCGGGCAAGGAGAC
 CCCAACCCAGGCTGCAGGCTGGGGCCCTGTATTGGGCTGTGCTCCACAATGATCCCACCCAGCT
 CCAAGCCATACTGGATGGTGGGCTCTCCCCAGAGGAGGCCACCCAGGTGGACAGCAATGGGAGGAC
 AGGCCTCATGGTCCGATGCTACCACGGCTTCCAGAGTGTGTTGCCCCCTGCTCAGCCACTGTCTTT
 CCTTGATGTGAACCAGCAGGACAAAAGGAGGGACACGGCCCTCATGTTGGCTGCCAAGCAGGCC
 CGTGCCTCTAGTGAGTCTCTGCTCAACTACTATGTGGGCTGGACCTGGAACGCCGGGACCAGCG
 GGGGCTCACGGCGTAATGAGGCTGCCATGCGAACCGCTGTGCTGACTGACAGCAGTGGACCC
 TGTTGGGCAAGACGGCCCTGGAATGGGAGTGGCAGTGTGACCCAGCTTCAGCACCCGTGTGAGGAT
 TCGGCAGCTGCTGAGGCGCCCCAAGTGGAGCAGCTAGCAGCACTACAAGCCGAGTGGCCGG
 CTTGTCCGGGCTCGTGGCCCAGGCCAGGCCAGGCCAGGTGCCCCCTCACTCCTAGAACGGCT
 GCAGGCTACCTGAGCCTCCCCCTTGCCCCGTCTCTCAGGAGGGGGTGTCTGGACCACCTGT
 GACTGCCACACCAGCCTGGCAGTCCCTCGTCACCACTGCCCTGCCACACTCTGTGCCCCTACCA
 TCCACCTTCGCTGGCACCGAAGCAAGTCCGTGCCAGAGCTGTTAGTGCCAGCGAAGCCCAGTC
 CTTCAGGACACCAAAGTCTGGCCCTCTGCGATACCAGGAGCTCAGGATAGAGAACAGGA
 AACAGGAGGAGGAGGCCAGAATGGCACAGAAGTAGGGAAGTGGGATAGGACAGGCTGGGACAG
GTAATCAGGCCCTCCCAGGGCTTCTTCCCCTGAGTGCCTCCGGCTCCCATCCACCTCTG
 CCTAAGTAAATCTGCTCTCACCTATATATACAAGGTCATTCTAGCATTGTTGCAAGAG
 TGAAAGAGTGGAAACACCGAAGTGTCCATCAGTAAGGGACAGGCTAGATTGATTACGGATGTAAT
 TGCTGTCCCATCCATACAGAGCATACTCTACAGTGTATTCTAAATAAGACTAACAGGAGTGG
 ATTCTGATATGAAACTACCATCAAGATGTATAAAGTAAAATAACTAACAGGAGTGGACAGTG

Seq. ID No. 36

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 AGAGCTGGCATTGCACAGGAGACGGCTGGACATGTCAGGCACTGCCCTGCCGGGCAAGGAGAC
 CCCAACCCAGGCTGCAGGCTGGGGCCCTGTATTGGGCTGTGCTCCACAATGATCCCACCCAGCT
 CCAAGCCATACTGGATGGTGGGCTCTCCCCAGAGGAGGCCACCCAGGTGGACAGCAATGGGAGGAC
 AGGCCTCATGGTCCGATGCTACCACGGCTTCCAGAGTGTGTTGCCCCCTGCTCAGCCACTGTCTTT
 CCTTGATGTGAACCAGCAGGACAAAAGGAGGGACACGGCCCTCATGTTGGCTGCCAAGCAGGCC
 CGTGCCTCTAGTGAGTCTCTGCTCAACTACTATGTGGGCTGGACCTGGAACGCCGGGACCAGCG
 GGGGCTCACGGCGTAATGAGGCTGCCATGCGAACCGCTGTGAGTGCGTGGCCACCCCTCCAT
 GGCAGGTGCTGACCTGACAGCAGTGGACCCGTGAGGCAAGACGGCCCTGGAATGGCAGTGCT
 GACCGACAGCTCGACACCGTGTGGAGGATTCGGCAGCTGTGAGGCGGCCAAAGTGGAGCAGCT
 TAGCCAGCACTACAAGCCGAGTGGCGGCCTTGTCCGGGCTGTGGCCCAGGCCAGGCCAGGC
 CCAGGTTGCCCTTCACTCTAGAACGGCTGCAGGCTACCTTGAGCCTCCCTTGCCCCGTCTCC
 TCAGGAGGGGGTGTCTGGACCACTTGTGACTGCCACAACCAGCCTGGCCAGTCCCTCGTCAC
 CACTGCCCTGCCACACTCTGTGCCCCTGACCATCCACCTTGCTGGCACCCGAAGCAGTCCGTGCC
 AGAGCTGTTAGTGCCAGCCGAAGCCCAGTCCTCAGGACACCAAAAGTCTGGCCCTTCCCTCTGGC
 GATACCAGGAGCTCAGGATAGAGAACAGGAAACAGGAGGAGGCCAGAATGGCACAGAAGTAGG
 GGAAGATGGGATAGGACAGGCTGGGAACAGGTAATCAGGCCCTCCCAGGGCTTCTTCCCCTCTG
 GAGTGCCTCCGGCCTCCCCATCCACCTCTGCTTAAGTAAATCTGCTCTCACACCTATATATACAA
 GGTCATTCTAGCATGTTGCAAGAGTGGAAACACCCGAAGTGTCCATCAGTAA
 GGGACAGGCTAGATTGATACGGATGTAATTGCTGTCCATCCATACAGAGCATACTACAGTGT
 TTCTAAATAAGACTAACAGGAGCTGTTATATTCTGATATGAAACTACCATCAAGATGTATAAAGT
 AAAATAACTAACAGGAGTGGACAGTG

Figure 12**Seq. ID No. 37**

MRKGTHLLVPCLEEEEALHRRRLDMSEALPCPGKETPTPGCRLGALYWACVHNDPTQLQAIIDGG
 VSPEEATQVDSNGRTGLMACYHGFQSVALLSHCPFLDVNQQDKGGDTALMLAAQAGHVPLVSLL
 LNYYVGLDLERRDQRGLTALMKAAMRNRCADLTAVDPVRGKTALEWAUTLDSFDTWWRIRQLLRRP
 QVEQLSQHYKPEWPALSGLVQAQQAQVAPSLLERLQATLSLPFAPSPQEGGVLDHLVTATSLA
 SPFVTTACHTLCPDHPPSLGTRSKSVPPELLVPAEAQSFRTPKSGPSSLAIPGAQDREEETGGGGQN
 GTEVGEDGIGQAGNR

Seq. ID No. 38

MRKGTHLLVPCLEEEEALHRRRLDMSEALPCPGKETPTPGCRLGALYWACVHNDPTQLQAIIDGG
 VSPEEATQVDSNGRTGLMACYHGFQSVALLSHCPFLDVNQQDKGGDTALMLAAQAGHVPLVSLL
 LNYYVGLDLERRDQRGLTALMKAAMRNRCCEVATLLMAGADLTAVDPVRGKTALEWAUTLDSFDTV
 WRIRQLLRRPQVEQLSQHYKPEWPALSGLVQAQQAQVAPSLLERLQATLSLPFAPSPQEGGVLD
 HLVTATTSLASPFVTTACHTLCPDHPPSLGTRSKSVPPELLVPAEAQSFRTPKSGPSSLAIPGAQDR
 EEEETGGGGQNGTEVGEDGIGQAGNR

Seq. ID No. 39

GAAAGTCCAGCCATCTGTTACCTGCCTTGCTTCCTGGGRGGGATAGTCCACCTGGAGGCATTGG
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Seq. ID No. 40

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 TCACCTTCTGGTCCCTGCCTGGAAGAGGAAGAGCTGGCATTGCACAGGAGACGGCTGGACATGTC
 TGAGGCACTGCCCTGCCGGGCAAGGAGACCCCCACCCCAGGCTGCAGGCTGGGGCCCTGTATTG
 GCCCTGTGTCCACAATGATCCCACCCAGCTCCAAGCCATACTGGATGGTGGGTCTCCCCAGAGGA
 GGCCACCCAGGTGGACAGCAATGGGAGGgtgagatgtccctggctccagaacagctggggcatc
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Seq. ID No. 41

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 CATGTTGGCTGCCAAGCAGgtgtgaggctgctgcacccacttccacagccccctttatgc
 gagaggcctcagccccacccttgtgcacgggtttcacacca

Seq. ID No. 42

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 TAATGAAGGCTGCCATGCCAACCGCTgtgagtgccgcaccctccatggcagggtgtgcggg
 gcctggaccgggggtgtgtggcctccagtcctc

Seq. ID No. 43

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 gcctggaccgggggtgtgtggcctccagtcctc

Figure 13**Seq. ID No. 44**

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CTGAGGGGGCCCCAAGTGGAGCAGCTTAGCCAGCACTACAAGCCCAGTGGCCGGCTTGTCCGGG
CTCGTGGCCCAGGCCAGGCCAGGGCCAGGTTGCCCCCTCACTCCTAGAACGGCTGCAGGCTACC
TTGAGCCTCCCCCTTGCCCCGTCTCTCAGGAGGGGGTGTTCAGGACCCACCTGTGACTGCCACA
ACCAGCCTGGCCAGTCCTCGTCACCACCTGCTGCCACACTGTGCCCTGACCATCCACCTCG
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Seq. ID No. 45

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CCTATATATATACAAGGTCAATTCTAGCATTGTTGCAAGAGTGAAGAGTGGAAACACCCGA
AGTGTCCATCAGTAAGGGACAGGCTAGATTGATTACGGATGTAATTGCTGTCCATCCATACAGACC
ATACTCTACAGTGTATTCTAAAATAAGACTAAGGAAGCTGTTATATTCTGATATGAAACTACCAT
CAAGATGTATAAAGTAAAAATAACTAAGGAGTGGAACAGTG
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